



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER19960003

Agency Interest No. 3732

Fred A. Elliot
Plant Manager
PCS Nitrogen Fertilizer, LP
P.O. Box 307
Geismar, Louisiana 70734

RE: Part 70 Operating Permit, Phosphoric Acid Plant, a portion of the Geismar Agricultural Nitrogen & Phosphate Plant
PCS Nitrogen Fertilizer LP, Geismar, Ascension and Iberville Parishes, Louisiana

Dear Mr. Elliot:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done the _____, 2006.

Permit

A handwritten signature in black ink. The signature appears to read "Chuck C. Brown" followed by "CCB:KCW" and "c: EPA Region VI". The handwriting is somewhat cursive and stylized.

Sincere

Chuck C. Brown, Assistant Secretary

CCB:KCW

c: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
PCS NITROGEN FERTILIZER, LP
SULFURIC ACID PLANT AND PHOSPHORIC ACID PLANT
PROPOSED INITIAL PART 70 AIR OPERATING PERMITS

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed initial Part 70 air operating permits for PCS Nitrogen Fertilizer LP, P.O. Box 307 Geismar, Louisiana 70734 for the Sulfuric Acid Plant and the Phosphoric Acid Plant. **The facility is located at 3115 Highway 30, Geismar, in both Ascension and Iberville Parishes.**

PCS Nitrogen Fertilizer, LP, Geismar Agriculture Nitrogen & Phosphate Plant, an existing fertilizer facility began operation in 1967 as Allied Chemical Corporation. PCS Nitrogen Fertilizer, LP proposes to obtain its initial Part 70 air operating permits. The Sulfuric Acid Plant currently operates under Permit No. 2247, issued on January 31, 1994.

PCS Nitrogen Fertilizer LP is not modifying the plant, but is incorporating the previously unpermitted auxiliary equipment that consists of molten sulfur storage tanks and pits, sulfuric acid and oleum storage tanks, a cooling tower, and ship, barge, rail car and truck loading facilities. The increase of sulfur dioxide and sulfuric acid emissions is almost totally due to a reconciliation of the emission rates, based upon the most current stack testing of the sulfuric acid production unit.

Estimated emissions in tons per year are as follows for the Sulfuric Acid Plant:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	<0.01	5.89	+5.89
SO ₂	8970.6	10,157.38	+1,186.78
NO _x	55.01	65.96	+10.95
CO	0.05	3.65	+3.60
VOC	<0.01	0.90	+0.90
SO ₃ (Sulfur Trioxide)	<0.01	4.86	+4.86
HCl (Hydrochloric Acid)*	<0.01	-	-
ClSO ₂ OH (Chlorosulfonic Acid)	<0.01	-	-
H ₂ SO ₄ (Sulfuric Acid)*	<0.01	40.84	+40.84
Ammonia*	Not Reported	<0.01	-
Chlorine*	Not Reported	0.015	+0.015
Hydrogen Sulfide*	Not Reported	4.27	+4.27
Total Fluorides * (surrogate for Hydrogen Fluoride)	Not Reported	<0.01	-

*Non - VOC LAC 33:III Chapter 51 Class III - Toxic Air Pollutants (TAPs).

The Phosphoric Acid Plant currently operates under Permit No. 2276 (M-1), issued on May 28, 1995. PCS Nitrogen Fertilizer LP is not modifying the plant. The increase of nitric oxide emissions is almost totally due to a reconciliation of the emission rates, based upon the most current stack testing of the phosphoric acid production unit

Estimated emissions in tons per year are as follows for the Phosphoric Acid Plant:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	104.72	67.33	-37.39
SO ₂	0.35	2.45	+2.10
NO _x	72.15	106.85	+34.70
CO	19.99	71.15	+51.16
VOC	1.61	6.67	+5.06
P ₂ O ₅ (Phosphoric Acid)	13.73	14.25	+0.52
H ₂ SO ₄ (Sulfuric Acid)	14.23	10.19	-4.04
Ammonia	10.84	17.45	+6.61
Chlorine	Not Reported	0.02	+0.02
Total Fluorides (surrogate for Hydrogen Fluoride)	96.11	52.46	-43.65

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, March 2, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit applications, proposed initial Part 70 air operating permits, statements of basis and additional information are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the Iberville Parish Library, East Iberville Branch, 5715 Monticello Street, St. Gabriel LA 70776 and the Ascension Parish Library, Gonzales Branch, 708 South Irma Boulevard, Gonzales LA 70737.

Inquiries or requests for additional information regarding this permit action should be directed to Kermit Wittenburg, LDEQ, Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3110.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at maillistrequest@ldeq.org.

Permit public notices can be viewed on the LDEQ Permits public Web page at WWW.deq.state.la.us/news/PubNotice/.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm

All correspondence should specify AI 3732:

Sulfuric Acid Plant	Permit Number 2247-V0	Activity Tracking Number PER19960002.
Phosphoric Acid Plant	Permit Number 2276-V0	Activity Tracking Number PER19960003.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP – Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP
Geismar, Ascension and Iberville Parishes, Louisiana

I. Background

PCS Nitrogen Fertilizer LP, Phosphoric Acid Plant at the Geismar Agricultural Nitrogen & Phosphate Plant, an existing fertilizer facility began operation in 1967 as Allied Chemical Corporation. Permit 269 was issued on February 28, 1974 to allow the installation of the Poly-N® Semi Works. Permit No. 682 was issued on February 15, 1977 to reduce the amount of clarified water used in the Phosphoric Acid plant. Exemption 1276E was issued November 14, 1979 to allow for a redesign of the Phosphoric Acid Plant Ball Mill Dust Collector. Permit No. 1548T was issued on April 24, 1981 for several sulfuric acid tanks and one phosphoric acid tank. An exemption was issued on January 14, 1986 authorizing the installation of a potassium permanganate feed system to the superphosphoric acid plant. Arcadian Fertilizer, LP purchased the facility from Allied Chemical on June 4, 1984. The Phosphoric Acid Plant was issued a state consolidated permit on September 6, 1994 under Permit No. 2276 to include the Superphosphoric Acid Trains No. 1 and No. 2, the Phosphoric Acid Train, the Poly-N® Pipe Reactor and Utility Boiler No. 1. The facility currently operates under Permit No. 2276 (M-1), issued April 28, 1995. Arcadian Fertilizer, LP changed the company name to PCS Nitrogen Fertilizer LP, effective March 6, 1997.

This is the Part 70 operating permit for the Phosphoric Acid Plant.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Arcadian Fertilizer, L.P. on October 15, 1996 requesting a Part 70 operating permit. A permit reconciliation application was submitted on May 24, 2001. Additional information dated December 14, 2004, November 21, 2005 and December 21, 2005 was also received.

III. Description

The phosphoric acid plant is a conventional wet process dihydrate Prayon design that was built during the 1960's. Phosphoric acid and solid calcium sulfate is produced by adding recycled phosphoric acid and sulfuric acid to phosphate rock in an attack tank. The slurry is filtered to separate the product from the solid calcium sulfate. The phosphoric acid from the filter is sent to vacuum evaporators in which the concentration is increased by the removal of water. Evaporator condenser cooling water is cooled in a cooling tower and reused. The phosphoric acid from the evaporators is further processed for sale as superphosphoric acid, Poly-N® fertilizer solution, or as green acid for the production of food grade acid.

The superphosphoric acid plant consists of two nearly identical trains, where phosphoric acid is mixed with hot combustion gas from a natural gas burner to form concentrated phosphoric acid.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP – Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP
Geismar, Ascension and Iberville Parishes, Louisiana

The concentrated phosphoric acid droplets are collected in a separator and the hot gases are scrubbed and vented to the atmosphere.

In the Poly-N® plant, ammonia and superphosphoric acid are mixed in a pipe reactor to form ammonium polyphosphate. Ammonia emissions are controlled by scrubbing with the ammonium polyphosphate product.

The calcium sulfate separated from the phosphoric acid is transferred to a tank where it is converted to calcium sulfate dehydrate, commonly known as gypsum. The gypsum is conveyed by pipeline as a water slurry to the Gypsum Stack Area.

A variety of material handling activities, including dock activities, were included in the initial Part 70 application for the ammonia group. Emissions associated with unloading phosphate rock at the dock and conveying it to the Phosphoric Acid Plant are included in this process area.

PCS Nitrogen Fertilizer LP is not modifying the phosphoric acid plant, but is incorporating some previously unpermitted auxiliary equipment. The changes in emissions are almost totally due to a reconciliation of the emission rates, based upon the most current stack testing of the production units.

Several clarifications from previous permits are needed. Permit No. 2276 authorized the conversion of the dihydrate process to a hemihydrate process. The conversion never occurred. Therefore, the phosphoric acid train did not become subject to 40 CFR 60 Subpart T. Phosphate rock calciners no longer exist at the plant. The facility removed the Ball Mill which was modified under exemption 1276E. A small source exemption was issued for the unloading of fluor spar, and Permit No. 1063 was issued for the operation of a fluor spar dryer. The portion of the facility that used fluor spar and the equipment associated with the production of hydrofluoric acid was purchased by Honeywell. The baghouse filter system for the potassium permanganate feed system authorized under an exemption is no longer required as the system was modified to be totally enclosed.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	104.72	67.33	-37.39
SO ₂	0.35	2.45	+2.10
NO _x	72.15	106.85	+34.70
CO	19.99	71.15	+51.16
VOC	1.61	6.67	+5.06

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP – Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP
Geismar, Ascension and Iberville Parishes, Louisiana

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
P ₂ O ₅ (Phosphoric Acid)	13.73	14.25	+0.52
H ₂ SO ₄ (Sulfuric Acid)*	14.23	10.19	-4.04
Ammonia*	10.84	17.45	+ 6.61
Chlorine*	Not Reported	0.02	+0.02
Total Fluorides * (surrogate for Hydrogen Fluoride)	96.11	52.46	-43.65

*Non - VOC LAC 33:III Chapter 51 Class III - Toxic Air Pollutants (TAPs):

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, National Emission Standards for Hazardous Air Pollutants (NESHAP) and the Louisiana Air Quality Regulations. Prevention of Significant Deterioration (PSD) and New Source Performance Standards (NSPS) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2005; and in the <local paper>, <local town>, on <date>, 2005. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP – Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP
Geismar, Ascension and Iberville Parishes, Louisiana

VII. Effects on Ambient Air

Actual monitors located on the facility property were used to demonstrate that fluoride emissions do not exceed the Louisiana Toxic Air Pollutant Ambient Air Quality Standard.

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - lbs			
		Sulfuric Acid	Phosphoric Acid	Hydrogen Fluoride	Total Fluorides
PPA-GC-1 Phosphoric Acid Storage Tank Cleanouts		2.8	76.4	55.3	156.8
PSPA-GC-1 SPA Storage Tank Cleanouts		2.0	6.0	34.6	98.7

IX. Insignificant Activities

ID No.:	Description	Citation
PGS-IS-1	Contractor Diesel Tank	LAC 33:III.501.B.5.A.3.
PGS-IS-2	Stack 1 Diesel Tank	LAC 33:III.501.B.5.A.3.
PGS-IS-3	Stack 3 Diesel Tank	LAC 33:III.501.B.5.A.3.
PGS-IS-4	Diesel Fuel Tank, South Stack	LAC 33:III.501.B.5.A.10.
PGS-IS-5	Stack 7 Diesel Tank	LAC 33:III.501.B.5.A.10.
PGS-IS-6	Auxiliary Clearwell Diesel Tank	LAC 33:III.501.B.5.B.8.
PPA-IS-1	Diesel Fuel Tank Vehicle Fueling	LAC 33:III.501.B.5.B.8.
PPA-IS-2	Diesel Fuel Tank Sandblasting Area Compressor	LAC 33:III.501.B.5.B.8.
PPA-IS-3	Clay Storage Tank	LAC 33:III.501.B.5.B.8.
PPA-IS-4	Diesel Storage Tank Emergency Generator	LAC 33:III.501.B.5.B.8.
PPA-IS-5	Diesel Storage Tank for Road Fuel	LAC 33:III.501.B.5.B.8.
PPA-IS-6	Sandblast Area Fugitives	LAC 33:III.501.B.5.B.8.
PPA-IS-7	Antiscale Tank # 1	LAC 33:III.501.B.5.C.1.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP – Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP
Geismar, Ascension and Iberville Parishes, Louisiana

PPA-IS-8	Antiscale Tank # 2	LAC 33:III.501.B.5.C.1.
PPA-IS-9	Rock Wash Polymer Tank	LAC 33:III.501.B.5.C.1.
PPA-IS-10	Rock Wash Vacuum Pump Seal Water Sump	LAC 33:III.501.B.5.C.1.
PPA-IS-11	101 Water Tank	LAC 33:III.501.B.5.C.1.
PPA-IS-12	Rock Wash Settler	LAC 33:III.501.B.5.C.1.
PPA-IS-13	Waste Water Tank	LAC 33:III.501.B.5.C.1.
PPA-IS-14	Filtrate Tank	LAC 33:III.501.B.5.C.1.
PPLN-IS-1	BETZ Water Treatment Tanks	LAC 33:III.501.B.5.C.1.
PPLN-IS-2	Bleach Tank	LAC 33:III.501.B.5.C.1.
PPLN-IS-3	Sulfuric Acid Tank	LAC 33:III.501.B.5.A.4.
PSPA-IS-1	Permanganate Mix Tank	LAC 33:III.501.B.5.C.1.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
 Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP
Geismar, Ascension and Iberville Parishes, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																
		5*	9	11	13	15	2103	2104*	2107	2111	2113	2115	22	2305	29*	51*	53	56
GRP 25	Phosphoric Acid Process Area		1	1	1						1		1		1	1	1	1
ARE 6	PGS-1 - Inactive Clear Well System																	1
ARE 7	PGS-2 - Active Clear Well System	1																1
EQT 62	PGS-3 - Portable Diesel Pumps																	
EQT 63	PGS-4 - Diesel Fired Air Compressor AC-191																	
EQT 64	PGS-5 - Stack 1 Diesel Pump																	
EQT 65	PGS-6 - Surge Pump Engine																	
EQT 66	PGS-7 - Stack 7 Diesel Pump																	
EQT 67	PPA-1 - Phosphate Rock Feed Bin																	
EQT 68	PPA-10 - Prayon Filter Vacuum Pump Discharge															1		
EQT 69	PPA-11 - Rock Filter Vacuum Pump Discharge															1		
EQT 70	PPA-12 - Evaporator # 4 Ejector Vent															1		
EQT 71	PPA-13 - Emergency Generator Engine																	
EQT 72	PPA-14 - Sand Blast Area Compressor Engine																	
EQT 73	PPA-15 - Hydroblast Compressors																	
EQT 74	PPA-2 - Phosphoric Acid Plant Flume Scrubber															1	1	
EQT 75	PPA-3 - Phosphoric Acid Cooling Tower																1	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
 Agency Interest No.: 3732

PCS Nitrogen Fertilizer LP

Geismar, Ascension and Iberville Parishes, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																	
		5*	9	11	13	15	2103	2104*	2107	2111	2113	2115	22	2305	29*	51*	53	56	59
EQT 77	PPA-5 - Utility Boiler #1																		
EQT 78	PPA-7 - Filtrate Sump																		1
EQT 79	PPA-8 - Calcine Sump																		1
EQT 80	PPA-9 - Flash Cooler Vacuum Pump Discharge																		1
EQT 81	PPLN-1 - Poly-N Storage Tank 1																		1
EQT 82	PPLN-2 - Poly-N Storage Tank 2																		1
EQT 83	PPLN-3 - Poly-N Storage Tank 3																		1
EQT 84	PPLN-4 - Poly-N Scrubber																		3
EQT 85	PPLN-6 - Poly-N and SPA Cooling Tower																		1
EQT 86	PSPA-1 - SPA Scrubber																		1
EQT 87	PSPA-3 - Railcar Loading																		1
EQT 88	PSPA-4 - Truck Loading																		1
EQT 89	PSPA-5 - SPA Sump																		1
EQT 90	PSPA-6 - Loading Sump																		1
EQT 91	PSPA-IS-2 - Cooler Condensate Tank #1																		1
EQT 92	PSPA-IS-3 - Cooler Condensate Tank #2																		1
FUG 9	PGS-8 - Gypsum Stack Fugitives																		1

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant

Agency Interest No.: 3732

PCS Nitrogen Fertilizer LP

Geismar, Ascension and Iberville Parishes, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.: Description	LAC 33:III.Chapter																	
	5*	9	11	13	15	2103	2104*	2107	2111	2113	2115	22	2305	29*	51*	53	56	59
FUG 10 PPA-6 - Phosphoric Acid Plant Fugitives																		
FUG 11 PPLN-5 - Poly-N Plant Fugitives																		
FUG 12 PSPA-2 - SPA Plant Fugitives																		
GRP 26 Gypsum Stack																		
GRP 27 Wet Process Phosphoric Acid Process Line																		
GRP 28 Superphosphoric Acid Process Line # 1																		
GRP 30 Superphosphoric Acid Process Line # 2																		

* The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
 Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP
Geismar, Ascension and Iberville Parishes, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		K	Ka	Kb	Db	Dc	T	U	A	M	R	A	Q	AA	BB	HIIH	64	68	82								
GRP 25	Phosphoric Acid Process Area											1	2	1	1												
ARE 6	PGS-1 - Inactive Clear Well System															2											
ARE 7	PGS-2 - Active Clear Well System															2											
EQT 62	PGS-3 - Portable Diesel Pumps																										
EQT 63	PGS-4 - Diesel Fired Air Compressor AC-191																										
EQT 64	PGS-5 - Stack 1 Diesel Pump																										
EQT 65	PGS-6 - Surge Pump Engine																										
EQT 66	PGS-7 - Stack 7 Diesel Pump																										
EQT 67	PPA-1 - Phosphate Rock Feed Bin																										
EQT 68	PPA-10 - Prayon Filter Vacuum Pump Discharge																										
EQT 69	PPA-11 - Rock Filter Vacuum Pump Discharge																										
EQT 70	PPA-12 - Evaporator # 4 Ejector Vent																										
EQT 71	PPA-13 - Emergency Generator Engine																										
EQT 72	PPA-14 - Sand Blast Area Compressor Engine																										
EQT 73	PPA-15 - Hydroblast Compressors																										
EQT 74	PPA-2 - Phosphoric Acid Plant Fume Scrubber																										

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant

Agency Interest No.: 3732

PCS Nitrogen Fertilizer LP

Geismar, Ascension and Iberville Parishes, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		K	Ka	Kb	Db	Dc	T	U	A	M	R	A	Q	AA	BB	HHH	64	68	82						
EQT 75	PPA-3 - Phosphoric Acid Cooling Tower																3	1							
EQT 77	PPA-5 - Utility Boiler #1																								
EQT 78	PPA-7 - Filtrate Sump																								
EQT 79	PPA-8 - Calcine Sump																								
EQT 80	PPA-9 - Flash Cooler Vacuum Pump Discharge																								
EQT 81	PPLN-1 - Poly-N Storage Tank 1																								
EQT 82	PPLN-2 - Poly-N Storage Tank 2																								
EQT 83	PPLN-3 - Poly-N Storage Tank 3																								
EQT 84	PPLN-4 - Poly-N Scrubber																3	3		3		2			
EQT 85	PPLN-6 - Poly-N and SPA Cooling Tower																			3	1				
EQT 86	PSPA-1 - SPA Scrubber																								
EQT 87	PSPA-3 - Railcar Loading																								
EQT 88	PSPA-4 - Truck Loading																								
EQT 89	PSPA-5 - SPA Sump																								
EQT 90	PSPA-6 - Loading Sump																								
EQT 91	PSPA-IS-2 - Cooler Condensate Tank #1																								

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
 Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP

Geismar, Ascension and Iberville Parishes, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR						
		K	Ka	Kb	Db	Dc	T	U	A	M	R	A	Q	AA	BB	HHH	64	68	82							
EQT 92	PSPA-IS-3 - Cooler Condensate Tank #2																1									
FUG 9	PGS-8 - Gypsum Stack Fugitives																									
FUG 10	PPA-6 - Phosphoric Acid Plant Fugitives																									
FUG 11	PPLN-5 - Poly-N Plant Fugitives																									
FUG 12	PSPA-2 - SPA Plant Fugitives																									
GRP 26	Gypsum Stack																2									
GRP 27	Wet Process Phosphoric Acid Process Line																									
GRP 28	Superphosphoric Acid Process Line #1																									
GRP 30	Superphosphoric Acid Process Line #2																									

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant

Agency Interest No.: 3732

PCS Nitrogen Fertilizer LP

Geismar, Ascension and Iberville Parishes, Louisiana

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
 Agency Interest No.: 3732
PCS Nitrogen Fertilizer LP
Geismar, Ascension and Iberville Parishes, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP 25 Phosphoric Acid Plant and EQT 84 PPLN-4 - Poly-N Scrubber	Compliance Assurance Monitoring (CAM) [40 CFR 64]	EXEMPT. 40 CFR 64.5 Deadlines for Submittals allows the facility to submit the CAM plan at the first renewal of the Part 70 Operating permit. Therefore, the facility does not need to comply with the CAM regulations until the first renewal.
GRP 25 Phosphoric Acid Plant	NESHAPS Subpart M-National Emission Standard for Asbestos [40 CFR 61.145] Emission Standards for Asbestos [LAC 33:III.5151]	EXEMPT. Shall comply with the regulations under this Subpart if triggered. Applies to owner or operator of a facility being demolished or renovated.
GRP 25 Phosphoric Acid Plant ARE 6 and 7 PGS-1 - Inactive Clear Well System, PGS-2 - Active Clear Well System	NESHAPS Subpart R-National Emission Standard for Radon Emissions from Phosphogypsum Stacks [40 CFR 61.202]	EXEMPT. The facility does not need to test for compliance until the stack becomes inactive. For the purposes of this permit, the stack (which currently consists of both active and inactive portions) will become inactive when the entire stack is no longer used for water management as defined in the water Permit No. LA0066257.
EQT 74 PPA-2 - Phosphoric Acid Plant Fume Scrubber	NSPS Subpart T – Standards of Performance for the Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants [40 CFR 60.200(b)]	DOES NOT APPLY. Facility was built before October 22, 1974 and has not been modified in accordance with the definition of modification in 40 CFR 60.2
EQT 74 PPA-2 - Phosphoric Acid Plant Fume Scrubber	Chapter 23. Control of Emissions for Specific Industries – Subchapter C Phosphate Fertilizer Plants [LAC 33:III.2305.D.1]	DOES APPLY. Facility was built before August 6, 1975, however, the facility shall comply with the more stringent emission limitation from 40 CFR 63 Subpart AA.
EQT 86 PSPA-1 - SPA Scrubber	NSPS Subpart U – Standards of Performance for the Phosphate Fertilizer Industry: Superphosphoric Acid Plants [40 CFR 60.210(b)]	DOES NOT APPLY. Facility was built before October 22, 1974 and has not been modified in accordance with the definition of modification in 40 CFR 60.2

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

PCS Nitrogen Fertilizer LP - Phosphoric Acid Plant - Geismar Agricultural Nitrogen & Phosphate Plant
 Agency Interest No.: 3732

PCS Nitrogen Fertilizer LP

Geismar, Ascension and Iberville Parishes, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 86 PSPA-1 - SPA Scrubber	Chapter 23. Control of Emissions for Specific Industries – Subchapter C Phosphate Fertilizer Plants [LAC 33:III.2305.D.2]	DOES APPLY. Facility was built before August 6, 1975, however, the facility shall comply with the more stringent emission limitation from 40 CFR 63 Subpart AA.
EQT 84 PPLN-4 - Poly-N Scrubber	NSPS Subpart T – Standards of Performance for the Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants [40 CFR 60.200(b)] NSPS Subpart U – Standards of Performance for the Phosphate Fertilizer Industry: Superphosphoric Acid Plants [40 CFR 60.210(b)] National Emission Standards for Hazardous Air Pollutants from Phosphoric Acid Manufacturing Plants [40 CFR 63, Subpart AA]	DOES NOT APPLY. Facility was built before October 22, 1974 and has not been modified in accordance with the definition of modification in 40 CFR 60.2 The process does not meet the definition of a wet-process phosphoric acid plant or the definition of a Superphosphoric acid plant per 40 CFR 60.201(a), or 40 CFR 60.211(a), or 40 CFR 63.601. The process does not meet the definition of a purified phosphoric acid process line per 40 CFR 63.601.
EQT 84 PPLN-4 - Poly-N Scrubber	Chapter 23. Control of Emissions for Specific Industries – Subchapter C Phosphate Fertilizer Plants [LAC 33:III.2305.D.1 or 2]	DOES NOT APPLY. Facility was built before August 6, 1975, however, the process does not meet the definition of a wet-process phosphoric acid plant or the definition of a Superphosphoric acid plant per 40 CFR 60.201(a) or 40 CFR 60.211(a)
ARE 6-7, EQT 68 – 70, 74 – 75, 78 - 92, FUG 10 - 12	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III. Chapter 51]	EXEMPT. All associated equipment emit pollutants, which are Class III TAPs. These pollutants are not subject to MACT control per LAC 33:III.5109.A. Emissions must be included in the annual TEDI submittal required per LAC 33:III.5107.A.2
EQT 62 – 66, 71 – 73 and EQT 77 Diesel fired engines and natural gas boiler	Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1503.C] Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A]	EXEMPT. Unit emits less than 250 tons of SO ₂ per year and is exempt from LAC 33:III.1503.C. Unit emits less than 100 tpy and is exempt from continuous monitoring. Record and retain at the site for at least 2 years the data required to demonstrate exemption from SO ₂ standards of Chapter 15.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of

40 CFR PART 70 GENERAL CONDITIONS

attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

40 CFR PART 70 GENERAL CONDITIONS

5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 15, 1996. A permit reconciliation application was submitted on May 24, 2001. Additional information dated December 14, 2004, November 21, 2005 and December 21, 2005 was also received.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

INVENTORIES

AI ID: 3732 - PCS Nitrogen Fertilizer LP
 Activity Number: PER1996003
 Permit Number: 2276-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE006	PGS-1 - Inactive Clear Well System	—	—	—	—	8760 hr/yr (All Year)
ARE007	PGS-2 - Active Clear Well System	—	—	—	—	8760 hr/yr (All Year)
EQT062	PGS-3 - Portable Diesel Pumps	—	—	—	—	960 hr/yr (All Year)
EQT063	PGS-4 - Diesel Fired Air Compressor AC-191	—	195 horsepower	65 horsepower	Fired with Diesel	10 hr/yr (All Year)
EQT064	PGS-5 - Stack 1 Diesel Pump	—	42 horsepower	42 horsepower	Fired with Diesel	100 hr/yr (All Year)
EQT065	PGS-6 - Surge Pump Engine	—	125 horsepower	125 horsepower	Fired with Diesel	800 hr/yr (All Year)
EQT066	PGS-7 - Stack 7 Diesel Pump	—	45 horsepower	45 horsepower	Fired with Diesel	640 hr/yr (All Year)
EQT067	PPA-1 - Phosphate Rock Feed Bin	—	125 horsepower	125 horsepower	Fired with Diesel	8760 hr/yr (All Year)
EQT068	PPA-10 - Prayon Filter Vacuum Pump Discharge	—	78349.4 tons/yr	89.44 tons/hr	—	8760 hr/yr (All Year)
EQT069	PPA-11 - Rock Filter Vacuum Pump Discharge	—	—	—	—	8760 hr/yr (All Year)
EQT070	PPA-12 - Evaporator # 4 Ejector Vent	—	—	—	—	300.0 hr/yr (All Year)
EQT071	PPA-13 - Emergency Generator Engine	—	—	—	—	1872 hr/yr (All Year)
EQT072	PPA-14 - Sand Blast Area Compressor Engine	—	1000 horsepower	1000 horsepower	Fired with Diesel	8760 hr/yr (All Year)
EQT073	PPA-15 - Hydroblast Compressors	—	30 horsepower	30 horsepower	Fired with Diesel	8760 hr/yr (All Year)
EQT074	PPA-2 - Phosphoric Acid Plant Fume Scrubber	—	450 horsepower	150 horsepower	40% Phosphoric Acid	8760 hr/yr (All Year)
EQT075	PPA-3 - Phosphoric Acid Cooling Tower	—	292000 tons/yr	30.1 tons/hr	—	8760 hr/yr (All Year)
EQT077	PPA-5 - Utility Boiler #1	—	525600 MM BTU/yr	60 MM BTU/hr	Fired with Natural Gas	8760 hr/yr (All Year)
EQT078	PPA-7 - Filtrate Sump	1726.31 gallons	600 gallons/min	200 gallons/min	—	8760 hr/yr (All Year)
EQT079	PPA-8 - Calcine Sump	12683.09 gallons	2000 MM gallons/yr	200 MM gallons/yr	—	36 hr/yr (All Year)
EQT080	PPA-9 - Flash Cooler Vacuum Pump Discharge	—	—	—	—	8760 hr/yr (All Year)
EQT081	PPLN-1 - Poly-N Storage Tank 1	1.05 million gallons	34.66 MM gallons/yr	34.66 MM gallons/yr	Poly-N (Ammonium Phosphate Solution)	8760 hr/yr (All Year)
EQT082	PPLN-2 - Poly-N Storage Tank 2	1.05 million gallons	34.66 MM gallons/yr	34.66 MM gallons/yr	Poly-N (Ammonium Phosphate Solution)	8760 hr/yr (All Year)
EQT083	PPLN-3 - Poly-N Storage Tank 3	1.01 million gallons	34.66 MM gallons/yr	34.66 MM gallons/yr	Poly-N (Ammonium Phosphate Solution)	8760 hr/yr (All Year)
EQT084	PPLN-4 - Poly-N Scrubber	—	438000 tons/yr	50 tons/hr	Poly-N (Ammonium Phosphate Solution)	8760 hr/yr (All Year)
EQT085	PPLN-6 - Poly-N and SPA Cooling Tower	—	8500 gallons/min	8500 gallons/min	Superphosphoric Acid from both trains	8760 hr/yr (All Year)
EQT086	PSPA-1 - SPA Scrubber	—	446760 tons/yr	50 tons/hr	—	1700 hr/yr (All Year)
EQT087	PSPA-3 - Railcar Loading	—	128467 tons/yr	—	—	2500 hr/yr (All Year)
EQT088	PSPA-4 - Truck Loading	—	29069 tons/day	—	—	8760 hr/yr (All Year)
EQT089	PSPA-5 - SPA Sump	—	600000 gallons/yr	600 gallons/min	—	8760 hr/yr (All Year)
EQT090	PSPA-6 - Loading Sump	—	13867.4 gallons	110 Tank cars/year	—	8760 hr/yr (All Year)
EQT091	PSPA-8-2 - Cooler Condensate Tank # 1	—	—	—	—	8760 hr/yr (All Year)
EQT092	PSPA-8-3 - Cooler Condensate Tank # 2	—	—	—	—	8760 hr/yr (All Year)
FUG009	PGS-8 - Gypsum Stack Fugitives	—	57200 vehicle miles traveled/yr	57200 vehicle miles traveled/yr	—	8760 hr/yr (All Year)

INVENTORIES

AI ID: 3732 - PCS Nitrogen Fertilizer LP
 Activity Number: PER19960003
 Permit Number: 2276-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max Operating Rate	Normal Operating Rate	Contents	Operating Time
FUG010	PPA-6 - Phosphoric Acid Plant Fugitives				ARE6 PGS-1 - Inactive Clear Well System	8760 hr/yr (All Year)
FUG011	PPLN-5 - Poly-N Plant Fugitives				ARE7 PGS-2 - Active Clear Well System	8760 hr/yr (All Year)
FUG012	PSPA-2 - SPA Plant Fugitives				EQT62 PGS-3 - Portable Diesel Pumps	8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP025	Phosphoric Acid Process Area	ARE6 PGS-1 - Inactive Clear Well System
GRP025	Phosphoric Acid Process Area	ARE7 PGS-2 - Active Clear Well System
GRP025	Phosphoric Acid Process Area	EQT62 PGS-3 - Portable Diesel Pumps
GRP025	Phosphoric Acid Process Area	EQT63 PGS-4 - Diesel Fired Air Compressor AC-19i
GRP025	Phosphoric Acid Process Area	EQT64 PGS-5 - Stack 1 Diesel Pump
GRP025	Phosphoric Acid Process Area	EQT65 PGS-6 - Surge Pump Engine
GRP025	Phosphoric Acid Process Area	EQT66 PGS-7 - Stack 7 Diesel Pump
GRP025	Phosphoric Acid Process Area	EQT67 PPA-1 - Phosphate Rock Feed Bin
GRP025	Phosphoric Acid Process Area	EQT68 PPA-10 - Pravon Filter Vacuum Pump Discharge
GRP025	Phosphoric Acid Process Area	EQT69 PPA-11 - Rock Filter Vacuum Pump Discharge
GRP025	Phosphoric Acid Process Area	EQT70 PPA-12 - Evaporator # 4 Ejector Vent
GRP025	Phosphoric Acid Process Area	EQT71 PPA-13 - Emergency Generator Engine
GRP025	Phosphoric Acid Process Area	EQT72 PPA-14 - Sand Blast Area Compressor Engine
GRP025	Phosphoric Acid Process Area	EQT73 PPA-15 - Hydroblast Compressors
GRP025	Phosphoric Acid Process Area	EQT74 PPA-2 - Phosphoric Acid Plant Fume Scrubber
GRP025	Phosphoric Acid Process Area	EQT75 PPA-3 - Phosphoric Acid Cooling Tower
GRP025	Phosphoric Acid Process Area	EQT77 PPA-5 - Utility Boiler #1
GRP025	Phosphoric Acid Process Area	EQT78 PPA-7 - Filtrate Sump
GRP025	Phosphoric Acid Process Area	EQT79 PPA-8 - Calcine Sump
GRP025	Phosphoric Acid Process Area	EQT80 PPA-9 - Flash Cooler Vacuum Pump Discharge
GRP025	Phosphoric Acid Process Area	EQT81 PPLN-1 - Poly-N Storage Tank 1
GRP025	Phosphoric Acid Process Area	EQT82 PPLN-2 - Poly-N Storage Tank 2
GRP025	Phosphoric Acid Process Area	EQT83 PPLN-3 - Poly-N Storage Tank 3
GRP025	Phosphoric Acid Process Area	EQT84 PPLN-4 - Poly-N Scrubber
GRP025	Phosphoric Acid Process Area	EQT85 PPLN-6 - Poly-N and SPA Cooling Tower
GRP025	Phosphoric Acid Process Area	EQT86 PSPA-1 - SPA Scrubber
GRP025	Phosphoric Acid Process Area	EQT87 PSPA-3 - Railcar Loading
GRP025	Phosphoric Acid Process Area	EQT88 PSPA-4 - Truck Loading
GRP025	Phosphoric Acid Process Area	EQT89 PSPA-5 - SPA Sump
GRP025	Phosphoric Acid Process Area	EQT90 PSPA-6 - Loading Sump

INVENTORIES

AID: 3732 - PCS Nitrogen Fertilizer LP
 Activity Number: PER19960003
 Permit Number: 2276-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP025	Phosphoric Acid Process Area	EQ791 PSPA-S-2 - Cooler Condensate Tank # 1
GRP025	Phosphoric Acid Process Area	EQ792 PSPA-S-3 - Cooler Condensate Tank # 2
GRP025	Phosphoric Acid Process Area	FUG9 PGS-8 - Gypsum Slack Fugitives
GRP025	Phosphoric Acid Process Area	FUG10 PPA-6 - Phosphoric Acid Plant Fugitives
GRP025	Phosphoric Acid Process Area	FUG11 PPLN-5 - Poly-N Plant Fugitives
GRP025	Phosphoric Acid Process Area	FUG12 PSPA-2 - SPA Plant Fugitives
GRP026	Gypsum Stack	ARE6 PGS-1 - Inactive Clear Well System
GRP026	Gypsum Stack	ARE7 PGS-2 - Active Clear Well System
GRP027	Wet Process Phosphoric Acid Process Line	EQ768 PPA-10 - Prayon Filter Vacuum Pump Discharge
GRP027	Wet Process Phosphoric Acid Process Line	EQ774 PPA-2 - Phosphoric Acid Plant Fume Scrubber
GRP028	Superphosphoric Acid Process Line # 1	EQ786 PSPA-1 - SPA Scrubber
GRP028	Superphosphoric Acid Process Line # 1	EQ789 PSPA-5 - SPA Sump
GRP030	Superphosphoric Acid Process Line # 2	EQ786 PSPA-1 - SPA Scrubber
GRP030	Superphosphoric Acid Process Line # 2	EQ789 PSPA-5 - SPA Sump

Relationships:

Subject Item	Relationship	Subject Item
EQ791 PSPA-S-2 - Cooler Condensate Tank # 1	Vents to	EQ786 PSPA-1 - SPA Scrubber
EQ792 PSPA-S-3 - Cooler Condensate Tank # 2	Vents to	EQ786 PSPA-1 - SPA Scrubber

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT074	PPA-2 - Phosphoric Acid Plant Fume Scrubber	2200	4.6		60	110
EQT075	PPA-3 - Phosphoric Acid Cooling Tower	276			32.5	125
EQT077	PPA-5 - Utility Boiler #1	22.3	19000	4.25	30	350
EQT084	PPLN-4 - Poly-N Scrubber			1.5	28	95
EQT085	PPLN-6 - Poly-N and SPA Cooling Tower				29.5	
EQT086	PSPA-1 - SPA Scrubber		1038	7	75	150

Fee Information:

Subject Item Id	Multipplier	Units Of Measure	Fee Desc
GRP025	438	1,000 Ton/Yr	0650 - Fertilizer Manufacture (Rated Capacity)
	2024	Ton/Day	0530 - Phosphoric Acid Manufacture (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AIID: 3732 - PCS Nitrogen Fertilizer LP
Activity Number: PER1996003
Permit Number: 2276-V0
Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀		SO ₂		NOx		CO		VOC	
	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr
EQT 062	0.29	0.43	0.14	0.27	0.40	0.03	6.05	1193	0.87	1.30
PGS-3	0.09	0.11	0.01	0.09	0.10	0.01	1.30	156	0.28	0.34
EQT 063	0.28	0.33	0.01	0.26	0.31	0.01	3.88	4.65	0.19	0.84
PGS-4	0.28	0.33	0.01	0.04	0.09	0.01	1.40	1.67	0.56	0.30
EQT 064	0.28	0.33	0.01	0.26	0.31	0.01	3.88	4.65	124	0.84
PGS-5	0.10	0.12	0.04	0.09	0.11	0.01	3.88	4.65	1.00	0.27
EQT 065	0.28	0.33	0.08	0.26	0.31	0.03	1.40	1.67	0.56	0.36
PGS-6	0.28	0.33	0.08	0.26	0.31	0.03	3.88	4.65	1.24	0.84
EQT 066	0.28	0.33	0.08	0.26	0.31	0.03	1.40	1.67	0.56	0.36
PGS-7	0.28	0.33	0.08	0.26	0.31	0.03	3.88	4.65	1.24	0.84
EQT 067	1.79	2.15	784	1.79	2.15	784	1.79	2.15	1.79	2.15
PPA-1	2.20	2.64	0.33	2.05	2.46	0.33	31.00	37.20	4.65	6.68
EQT 071	0.07	0.08	0.06	0.06	0.07	0.06	0.93	1.12	0.97	1.00
PPA-13	0.33	0.99	145	0.31	0.92	0.33	4.65	13.95	2037	1.00
EQT 072	0.07	0.08	0.06	0.06	0.07	0.06	0.93	1.12	0.97	1.00
PPA-14	0.31	0.97	145	0.31	0.92	0.33	4.65	13.95	2037	1.00
EQT 073	0.33	0.99	145	0.31	0.92	0.33	4.65	13.95	2037	1.00
PPA-15	0.31	0.97	145	0.31	0.92	0.33	4.65	13.95	2037	1.00
EQT 074	0.31	0.37	135	0.31	0.37	135	0.31	0.37	135	0.31
PPA-2	1.05	1.26	460	1.05	1.26	460	1.05	1.26	460	1.05
EQT 075	0.43	0.52	190	0.03	0.04	0.05	5.71	6.86	2503	4.80
PPA-3	0.002	0.003	0.01	0.002	0.003	0.01	0.01	0.01	0.01	0.01
EQT 077	0.43	0.52	190	0.03	0.04	0.05	5.71	6.86	2503	4.80
PPA-5	0.002	0.003	0.01	0.002	0.003	0.01	0.01	0.01	0.01	0.01
EQT 084	1.02	1.70	447	1.02	1.70	447	1.02	1.70	447	1.02
PPLN-4	0.01	0.02	0.04	0.01	0.02	0.04	0.01	0.02	0.04	0.01
EQT 085	1.02	1.70	447	1.02	1.70	447	1.02	1.70	447	1.02
PLN-6	0.01	0.02	0.04	0.01	0.02	0.04	0.01	0.02	0.04	0.01
EQT 086	8.26	9.91	3617	8.26	9.91	3617	8.26	9.91	3617	8.26
PPA-1	2.02	2.72	8183	2.02	2.72	8183	2.02	2.72	8183	2.02
FUG 009	2.02	2.72	8183	2.02	2.72	8183	2.02	2.72	8183	2.02
FUG 010	2.02	2.72	8183	2.02	2.72	8183	2.02	2.72	8183	2.02
PPA-6	2.02	2.72	8183	2.02	2.72	8183	2.02	2.72	8183	2.02

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

EMISSION RATES FOR CRITERIA POLLUTANTS

AID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER1996003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

All phases

Permit Phase Totals:

PM10: 67.33 tons/yr

SO2: 2.45 tons/yr

NOx 106.85 tons/yr

CO: 71.15 tons/yr

VOC: 6.67 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP
Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Ammonia			Chlorine			Hydrofluoric acid			Phosphoric acid			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PGS-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARE 007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PGS-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPA-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 069	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPA-11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPA-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPA-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPA-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPA-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPA-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 080	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPA-9	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PPLN-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 082	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PPLN-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 083	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
PPLN-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 084	3.78	4.53	16.53	-	-	-	-	-	-	-	-	-	-	-	-
PPLN-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 085	-	-	-	0.003	0.004	0.02	-	-	-	-	-	-	-	-	-
PPLN-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 086	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSPA-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 087	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSPA-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EQT 088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PSPA-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER1996003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

All phases**Total fluorides**

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
ARE 006 PGS-1	0.09	0.26	0.40
ARE 007 PGS-2	0.07	0.08	0.32
EQT 068 PPA-10	< 0.001	< 0.001	< 0.01
EQT 069 PPA-11	< 0.001	< 0.001	< 0.01
EQT 070 PPA-12	< 0.001	< 0.001	< 0.01
EQT 074 PPA-2	0.007	0.010	0.032
EQT 075 PPA-3	4.25	5.10	18.61
EQT 078 PPA-7	< 0.001	< 0.001	< 0.01
EQT 079 PPA-8	14.51	17.41	0.28
EQT 080 PPA-9	< 0.001	< 0.001	< 0.01
EQT 081 PPLN-1	-	-	-
EQT 082 PPLN-2	-	-	-
EQT 083 PPLN-3	-	-	-
EQT 084 PPLN-4	0.002	0.002	< 0.01
EQT 085 PPLN-6	-	-	-
EQT 086 PSPA-1	4.82	6.36	21.11
EQT 087 PSPA-3	0.12	0.74	0.15
EQT 088 PSPA-4	0.003	3.96	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Ammonia			Chlorine			Hydrofluoric acid			Phosphoric acid			Sulfuric acid		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 089 PSPA-5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
EQT 090 PSPA-6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FUG 010 PPA-6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
FUG 011 PPLN-5	0.36	0.36	0.92	—	—	—	—	—	—	< 0.001	< 0.001	< 0.001	—	—	—
FUG 012 PSPA-2	—	—	—	—	—	—	—	—	—	—	—	—	< 0.001	< 0.001	< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Total fluorides	Avg lb/hr	Max lb/hr	Tons/Year
EQT 089 PSA-5	< 0.001	< 0.001	< 0.001	< 0.01
EQT 090 PSA-6	< 0.001	< 0.001	< 0.001	< 0.01
FUG 010 PPA-6	2.64	3.17	11.58	
FUG 011 PPLN-5	-	-	-	-
FUG 012 PSA-2	< 0.001	< 0.001	< 0.001	< 0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Ammonia: 17.45 tons/yr

Chlorine: 0.02 tons/yr

Hydrofluoric acid: 0.15 tons/yr

Phosphoric acid: 14.25 tons/yr

Sulfuric acid: 10.19 tons/yr

Total fluorides: 52.46 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

ARE006 PGS-1 - Inactive Clear Well System

- 1 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

ARE007 PGS-2 - Active Clear Well System

- 2 Submit notification. Due at least 30 days prior to performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.501.C.6]
- 3 Submit report. Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 4 Conduct a performance/emissions test. Due within 180 days after issuance of the Initial Part 70 Operating Permit. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with Radial Plume Mapping methodology along with Open-Path Tunable Diode Laser Absorption Spectroscopy to determine the flux rate of hydrogen fluoride from the gypsum stack ponds. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. [LAC 33:III.501.C.6]
- 5 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT062 PGS-3 - Portable Diesel Pumps

- 6 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 7 Which Month: All Year Statistical Basis: Six-minute average Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT063 PGS-4 - Diesel Fired Air Compressor AC-191

- 8 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- 9 Which Month: All Year Statistical Basis: Six-minute average Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT064 PGS-5 - Stack 1 Diesel Pump

- 10 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Month: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

EQT064 PGS-5 - Stack 1 Diesel Pump

- 11 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III,Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT065 PGS-6 - Surge Pump Engine

- 12 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

Which Months: All Year Statistical Basis: Six-minute average

- 13 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III,Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT066 PGS-7 - Stack 7 Diesel Pump

- 14 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]

Which Months: All Year Statistical Basis: Six-minute average

- 15 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III,Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT068 PPA-10 - Prayon Filter Vacuum Pump Discharge

- 16 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

- 17 Conduct a performance test annually to demonstrate compliance with the applicable emission standard. Conduct the performance test according to the procedures in 40 CFR 63 Subpart A and 40 CFR 63.606. Subpart AA. [40 CFR 63.606(a)]

- 18 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A, or other methods and procedures as specified in 40 CFR 63.606, except as provided in 40 CFR 63.7(f), in conducting performance tests. Subpart AA. [40 CFR 63.606(b)]

EQT069 PPA-11 - Rock Filter Vacuum Pump Discharge

- 19 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT070 PPA-12 - Evaporator # 4 Ejector Vent

- 20 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT071 PPA-13 - Emergency Generator Engine

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP
Activity Number: PER19960003
Permit Number: 2276-V0
Air - Title V Regular Permit Initial

EQT071 PPA-13 - Emergency Generator Engine

- 21 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]
Which Months: All Year Statistical Basis: Six-minute average
22 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.151.3]

EQT072 PPA-14 - Sand Blast Area Compressor Engine

- 23 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]
Which Months: All Year Statistical Basis: Six-minute average
24 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.151.3]

EQT073 PPA-15 - Hydroblast Compressors

- 25 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1.311.C]
Which Months: All Year Statistical Basis: Six-minute average
26 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.151.3]

EQT074 PPA-2 - Phosphoric Acid Plant Fume Scrubber

- 27 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]
28 Scrubbing liquid: Flow rate >= 75.3 and <= 634.7 gallons/min for the North Attack Pre-scrubber, Instrument No. L3190. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
29 Pressure drop >= 0.1 and <= 6.5 inches w.c. for the North Attack Pre-scrubber, Instrument No. L3393. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
30 Scrubbing liquid: Flow rate >= 52.0 and <= 424.9 gallons/min for the South Attack Pre-scrubber, Instrument No. L3192. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
31 Pressure drop >= 5.1 and <= 12.6 inches w.c. for the South Attack Pre-scrubber, Instrument No. L3396. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
32 Scrubbing liquid: Flow rate >= 44.5 and <= 138.8 gallons/min for the North 1st Stage Attack Scrubber, Instrument No. L3191. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
33 Pressure drop >= 0.5 and <= 11.4 inches w.c. for the North 1st Stage Attack Scrubber, Instrument No. L3395. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP
Activity Number: PER19960003
Permit Number: 2276-V0
Air - Title V Regular Permit Initial

EQT074 PPA-2 - Phosphoric Acid Plant Fume Scrubber

- 34 Scrubbing liquid: Flow rate ≥ 56.4 and ≤ 182.8 gallons/min for the 1st Stage Filter Scrubber, Instrument No. L3188. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 35 Scrubbing liquid: Flow rate ≥ 91.7 and ≤ 207.3 gallons/min for the 3rd Stage Attack Scrubber, Instrument No. L3195. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 36 Scrubbing liquid: Flow rate ≥ 88.3 and ≤ 186.2 gallons/min for the 2nd Stage Attack Scrubber, Instrument No. L3194. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 37 Scrubbing liquid: Flow rate ≥ 88.3 and ≤ 186.2 gallons/min for the South 1st Stage Attack Scrubber, Instrument No. L3193. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 38 Scrubbing liquid: Flow rate ≥ 70.7 and ≤ 173.7 gallons/min for the 2nd Stage Filter Scrubber, Instrument No. L3189. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 39 Pressure drop ≥ 1.8 and ≤ 13.7 inches w.c. for the 1st Stage Filter Scrubber, Instrument No. L3390. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 40 Pressure drop ≥ 0.3 and ≤ 6.8 inches w.c. for the South 1st Stage Attack Scrubber, Instrument No. L3397. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 41 Pressure drop ≥ 1.0 and ≤ 2.5 inches w.c. for the 3rd Stage Attack Scrubber, Instrument No. L3357. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 42 Pressure drop ≥ 0.3 and ≤ 3.3 inches w.c. for the 2nd Stage Attack Scrubber, Instrument No. L3398. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 43 Pressure drop ≥ 1.5 and ≤ 7.1 inches w.c. for the 2nd Stage Filter Scrubber, Instrument No. L3392. Subpart AA. [40 CFR 63.604]
Which Months: All Year Statistical Basis: Daily average
- 44 Pressure drop monitored by CMS continuously. Equip with a continuous recorder and monitor the pressure drop across each of the 8 scrubbers in the process scrubbing system in 15-minute block averages. Subpart AA. [40 CFR 63.605(c)(1)]
Which Months: All Year Statistical Basis: None specified
- 45 Flow rate monitored by CMS continuously. Equip with a continuous recorder and monitor the flow rate of the scrubbing liquid to each of the 8 scrubbers in the process scrubbing system in 15-minute block averages. Subpart AA. [40 CFR 63.605(c)(2)]
Which Months: All Year Statistical Basis: None specified
- 46 Establish allowable ranges for the daily averages of the pressure drop across each scrubber and of the flow rate of the scrubbing liquid to each scrubber in the process scrubbing system according to the provisions in 40 CFR 63.605(d)(2). Notify DEQ of the operating parameter baseline average value and notify DEQ each time that the baseline value is changed as a result of the most recent performance test. Determine whether new allowable ranges of baseline average values will be based upon the new performance test or (if the new performance test results are within the previously established range) whether there will be no change in the operating parameters derived from previous tests, when retesting. Submit the performance test results to DEQ pursuant to 40 CFR 63.607(c)(1), 63.7(g)(1), and/or 63.10(d)(2) and indicate whether the operating range will be based on the new performance test or the previously established range. The new baseline value is effective on the 31 st day following submission, if DEQ has not denied approval of the new operating ranges within 30 days of submission of the performance test results. The Department's approval need not be in the form of a permit modification if the conditions outlined in 40 CFR 70.4(b)(2) and 502(b)(10) of the Clean Air Act are satisfied, and can be incorporated under an administrative amendment. Subpart AA. [40 CFR 63.605(d)(1)]

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP
Activity Number: PER19960003
Permit Number: 2276-V0
Air - Title V Regular Permit Initial

EQT074 PPA-2 - Phosphoric Acid Plant Fume Scrubber

- 47 Conduct a performance test annually to demonstrate compliance with the applicable emission standard. Conduct the performance test according to the procedures in 40 CFR 63 Subpart A and 40 CFR 63.606. A performance test at the outlet of the scrubber does include emissions from the following sources that are routed to this scrubber: the Attack Tank, Prayon Filter, Prayon Filter Feed Box, Prayon Filter Feed Box # 1, Attack Tank Flash Cooler Seal Tank, Phosphoric Acid Day Tank, Evaporator #1, #2, & #3 Hotwells, Transformation Tanks A & B, Evaporator # 2 Seal Tank, Phosphoric Acid Plant Effluent Sump, Evaporator #1, #2, & #3 Ejector Vents, Primary Scrubber Seal Pot, Prayon Filter Washdown Tank, River Water Return Tank, Fume Scrubber Collection Tank, Phosphoric Acid Storage 1 through 4, Dilution Water, Gypsum Pump Tank and the Filter Water Tank. (Not every source routed to the scrubber is an emission source subject to the NESHAP). Subpart AA. [40 CFR 63.606(a)]
- 48 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A, or other methods and procedures as specified in 40 CFR 63.606, except as provided in 40 CFR 63.7(f), in conducting performance tests. Subpart AA. [40 CFR 63.606(b)]

EQT075 PPA-3 - Phosphoric Acid Cooling Tower

- 49 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.511.2, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.51.05.B. (TEDI). [LAC 33:III.5107.A.2]
- 50 Do not introduce any liquid effluent from any wet scrubbing device installed to control emissions from process equipment. Subpart AA. [40 CFR 63.602(e)]
- 51 Submit certification: Due annually to DEQ. Certify compliance with the requirements of 40 CFR 63.602(e). Subpart AA. [40 CFR 63.602(e)]

EQT077 PPA-5 - Utility Boiler #1

- 52 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lanceing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1.10.B]
- Which Months: All Year Statistical Basis: None specified
- 53 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1.10.C]
- Which Months: All Year Statistical Basis: None specified
- 54 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.51.3]
- 55 Nitrogen oxides <= 0.20 lb/MMBTU. [LAC 33:III.2201.D.1]
- Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 56 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.1.a.]
- Which Months: May-Sep Statistical Basis: None specified
- 57 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 58 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 59 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.1.2.a through 1.2.d. [LAC 33:III.2201.I.2]
- 60 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and 1.4 as applicable. [LAC 33:III.2201.I.]
- 61 Submit notification: Due as specified in 40 CFR 60.7. Submit the date of construction or reconstruction, anticipated startup, and actual startup. Include the information specified in 40 CFR 60.48c(a)(1) through (a)(4) as applicable. Subpart Dc. [40 CFR 60.48c(a)]

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

EQT077 PPA-5 - Utility Boiler #1

- 62 Submit the performance test data from the initial and any subsequent performance tests, and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in 40 CFR 60 Appendix B. Subpart Dc. [40 CFR 60.48cb]
- 63 Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted during each day. Subpart Dc. [40 CFR 60.48c(g)]
- 64 Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record. Subpart Dc. [40 CFR 60.48c(i)]

EQT078 PPA-7 - Filtrate Sump

- 65 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT079 PPA-8 - Calcine Sump

- 66 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT080 PPA-9 - Flash Cooler Vacuum Pump Discharge

- 67 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT081 PPLN-1 - Poly-N Storage Tank 1

- 68 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT082 PPLN-2 - Poly-N Storage Tank 2

- 69 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT083 PPLN-3 - Poly-N Storage Tank 3

- 70 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT084 PPLN-4 - Poly-N Scrubber

- 71 Flow rate monitored by flow rate monitoring device once every four hours. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: None specified
- 72 Flow rate recordkeeping by electronic or hard copy once every four hours. [LAC 33:III.501.C.6]
- 73 Submit report. Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP
Activity Number: PER19960003
Permit Number: 2276-V0
Air - Title V Regular Permit Initial

EQT084 PPLN-4 - Poly-N Scrubber

- 74 Flow rate ≥ 10.0 gallons/min. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]
- 75 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT085 PPLN-6 - Poly-N and SPA Cooling Tower

- 76 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]
- 77 Do not introduce any liquid effluent from any wet scrubbing device installed to control emissions from process equipment. Subpart AA. [40 CFR 63.602(e)]
- 78 Submit certification: Due annually to DEQ. Certify compliance with the requirements of 40 CFR 63.602(e). Subpart AA. [40 CFR 63.602(e)]

EQT086 PSPA-1 - SPA Scrubber

- 79 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]
- 80 Scrubbing liquid: Flow rate ≥ 1060.6 and ≤ 1748.9 gallons/min for the South Dynawaver, Instrument No. L3182. Subpart AA. [40 CFR 63.604]
- Which Months: All Year Statistical Basis: Daily average
- 81 Pressure drop ≥ 7.9 and ≤ 17.2 inches w.c. for the North Dynawave, Instrument No. L3383. Subpart AA. [40 CFR 63.604]
- Which Months: All Year Statistical Basis: Daily average
- 82 Scrubbing liquid: Flow rate ≥ 1042.9 and ≤ 2032.1 gallons/min for the North Dynawave, Instrument No. L3184. Subpart AA. [40 CFR 63.604]
- Which Months: All Year Statistical Basis: Daily average
- 83 Pressure drop ≥ 5.8 and ≤ 14.5 inches w.c. for the B Scrubber Mist Eliminator, Instrument No. L3378. Subpart AA. [40 CFR 63.604]
- Which Months: All Year Statistical Basis: Daily average
- 84 Pressure drop monitored by CMS continuously. Equip with a continuous recorder and monitor the pressure drop across both scrubbers in the process scrubbing system in 15-minute block averages. Subpart AA. [40 CFR 63.605(c)(1)]
- Which Months: All Year Statistical Basis: None specified
- 85 Flow rate monitored by CMS continuously. Equip with a continuous recorder and monitor the flow rate of the scrubbing liquid to both scrubbers in the process scrubbing system in 15-minute block averages. Subpart AA. [40 CFR 63.605(c)(2)]
- Which Months: All Year Statistical Basis: None specified
- 86 Establish allowable ranges for the daily averages of the pressure drop across each scrubber and of the flow rate of the scrubbing liquid to each scrubber in the process scrubbing system according to the provisions in 40 CFR 63.605(d)(2). Notify DEQ of the operating parameter baseline average value and notify DEQ each time that the baseline value is changed as a result of the most recent performance test. Determine whether new allowable ranges of baseline average values will be based upon the new performance test or if the new performance test results are within the previously established range) whether there will be no change in the operating parameters derived from previous tests, when retesting. Submit the performance test results to DEQ pursuant to 40 CFR 63.607(c)(1), 63.7(g)(1), and/or 63.10(d)(2) and indicate whether the operating range will be based on the new performance test or the previously established range. The new baseline value is effective on the 31st day following submission, if DEQ has not denied approval of the new operating ranges within 30 days of submission of the performance test results. The Department's approval need not be in the form of a permit modification if the conditions outlined in 40 CFR 70.4(b)(12) and 502(b)(10) of the Clean Air Act are satisfied, and can be incorporated under an administrative amendment. Subpart AA. [40 CFR 63.605(d)(1)]

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

EQT086 PSPA-1 - SPA Scrubber

- 87 Conduct a performance test annually to demonstrate compliance with the applicable emission standard. Conduct the performance test with only the Superphosphoric Acid Plant # 1 operating, according to the procedures in 40 CFR 63 Subpart A and 40 CFR 63.606. A performance test at the outlet of the scrubber does include emissions from the following sources that are routed to this scrubber: the Superphosphoric acid line # 1 & 2, Entrainment Separators, Super Phosphoric Acid Storage 1 & 2, SPA Filter Sluice Water Tank, East & West HQ Phosphoric Acid Tank, SPA Filter Precoat Tank, Cooler Condensate Tanks # 1 & 2, and the Filtered SPA Surge Tank. (Not every source routed to the scrubber is an emission source subject to the NESHAP). Subpart AA. [40 CFR 63.606(a)]
- 88 Conduct a performance test annually to demonstrate compliance with the applicable emission standard. Conduct the performance test with only the Superphosphoric Acid Plant # 2 operating, according to the procedures in 40 CFR 63 Subpart A and 40 CFR 63.606. A performance test at the outlet of the scrubber does include emissions from the following sources that are routed to this scrubber: the Superphosphoric acid line # 1 & 2, Entrainment Separators, Super Phosphoric Acid Storage 1 & 2, SPA Filter Sluice Water Tank, East & West HQ Phosphoric Acid Tank, SPA Filter Precoat Tank, Cooler Condensate Tanks # 1 & 2, and the Filtered SPA Surge Tank. (Not every source routed to the scrubber is an emission source subject to the NESHAP). Subpart AA. [40 CFR 63.606(a)]
- 89 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A, or other methods and procedures as specified in 40 CFR 63.606, except as provided in 40 CFR 63.7(f), in conducting performance tests. Subpart AA. [40 CFR 63.606(b)]

EQT087 PSPA-3 - Railcar Loading

- 90 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT088 PSPA-4 - Truck Loading

- 91 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

EQT089 PSPA-5 - SPA Sump

- 92 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]
- 93 Conduct a performance test annually to demonstrate compliance with the applicable emission standard. Conduct the performance test according to the procedures in 40 CFR 63 Subpart A and 40 CFR 63.606. Subpart AA. [40 CFR 63.606(a)]
- 94 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A, or other methods and procedures as specified in 40 CFR 63.606, except as provided in 40 CFR 63.7(f), in conducting performance tests. Subpart AA. [40 CFR 63.606(b)]

EQT090 PSPA-6 - Loading Sump

- 95 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

FUG009 PGS-8 - Gypsum Stack Fugitives

- 96 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

FUG010 PPA-6 - Phosphoric Acid Plant Fugitives

- 97 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

FUG011 PPLN-5 - Poly-N Plant Fugitives

- 98 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

FUG012 PSPA-2 - SPA Plant Fugitives

- 99 Emits Class III TAP only. MACT is not required. Emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 shall be included in the Annual Emissions Report unless exempted under LAC 33:III.5105.B. (TEDI). [LAC 33:III.5107.A.2]

GRP025 Phosphoric Acid Process Area

- 100 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensity an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 101 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- 102 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 103 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 104 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.2119]
- 105 Do not fire an affected point source with Number 6 Fuel Oil or perform testing of emergency and training combustion units without prior approval of DEQ on a day that is designated as an Ozone Action Day by DEQ. [LAC 33:III.2201.D.9]
- 106 Perform NO_x emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NO_x emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO₂, PM10, and VOC if modifications could cause an increase in emissions of any of these compounds. [LAC 33:III.2201.G.2]
- 107 Modify and/or install and bring into normal operation NO_x control equipment and/or NO_x monitoring systems in accordance with LAC 33:III.Chapter 22 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.]
- 108 Complete all initial compliance testing, specified by LAC 33:III.2201.G, for equipment modified with NO_x reduction controls or a NO_x monitoring system to meet the provisions of LAC 33:III.Chapter 22 within 60 days of achieving normal production rate or after the end of the shake down period, but in no event later than 180 days after initial start-up, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.2]
- 109 Complete required testing to demonstrate the performance of existing, unmodified equipment in a timely manner, but by no later than November 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.2]
- 110 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 111 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

SPECIFIC REQUIREMENTS

AID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

GRP025 Phosphoric Acid Process Area

- 112 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HR VOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. [LAC 33:III.501.C.6]
- 113 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. [LAC 33:III.501.C.6]
- 114 Particulate matter (10 microns or less) <= 67.33 tons/yr. [LAC 33:III.501.C.6]
- 115 Which Months: All Year Statistical Basis: Annual maximum Nitrogen oxides <= 106.85 tons/yr. [LAC 33:III.501.C.6]
- 116 Which Months: All Year Statistical Basis: Annual maximum Carbon monoxide <= 71.15 tons/yr. [LAC 33:III.501.C.6]
- 117 Which Months: All Year Statistical Basis: Annual maximum VOC, Total <= 6.67 tons/yr. [LAC 33:III.501.C.6]
- 118 Which Months: All Year Statistical Basis: Annual maximum Phosphoric acid <= 14.25 tons/yr. [LAC 33:III.501.C.6]
- 119 Which Months: All Year Statistical Basis: Annual maximum Sulfuric acid <= 10.19 tons/yr. [LAC 33:III.501.C.6]
- 120 Which Months: All Year Statistical Basis: Annual maximum Sulfur dioxide <= 2.45 tons/yr. [LAC 33:III.501.C.6]
- 121 Which Months: All Year Statistical Basis: Annual maximum Total fluorides <= 52.46 tons/yr. [LAC 33:III.501.C.6]
- 122 Which Months: All Year Statistical Basis: Annual maximum Hydrofluoric acid <= 0.15 tons/yr. [LAC 33:III.501.C.6]
- 123 Which Months: All Year Statistical Basis: Annual maximum Chlorine <= 0.02 tons/yr. [LAC 33:III.501.C.6]
- 124 Which Months: All Year Statistical Basis: Annual maximum Ammonia <= 17.45 tons/yr. [LAC 33:III.501.C.6]
- 125 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]
- 126 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 127 Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 128 Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 129 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 130 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]
- 131 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

GRP025 Phosphoric Acid Process Area

- 132 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33.III.5907, or Table 59.1 of LAC 33.III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33.III.5907]
- 133 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33.III.Chapter 59, whichever is later. Include the information listed in LAC 33.III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division. [LAC 33.III.5911.A]
- 134 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33.III.5911.C]
- 135 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33.III.919.A-D. [LAC 33.III.919.D]
- 136 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 137 Do not install or reinstall on a facility component any insulating material(s) that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 138 Comply with the notification requirements in 40 CFR 63.9. Subpart AA. [40 CFR 63.607(a)]
- 139 Comply with the recordkeeping requirements in 40 CFR 63.10. Subpart AA. [40 CFR 63.607(b)]
- 140 Report the results of the initial and annual performance tests as part of the notification of compliance status required in 40 CFR 63.9. Subpart AA. [40 CFR 63.607(c)(1)]
- 141 Submit excess emissions report: Due semiannually by the 30th day following the end of the calendar half. Submit report for any exceedance of an operating parameter limit and include the information specified in 40 CFR 63.10. When no exceedances of an operating parameter have occurred, include such information in the report. Subpart AA. [40 CFR 63.607(c)(2)]
- 142 Submit summary report: Due semiannually by the 30th day following the end of the calendar half, in lieu of the full excess emissions report, if the total duration of control system exceedances for the reporting period is less than 1 percent of the total operating time for the reporting period. Include the information specified in 40 CFR 63.10.
- 143 Submit a summary report and an excess emissions report if the total duration of control system operating parameter exceedances for the reporting period is 1 percent or greater of the total operating time for the reporting period. Subpart AA. [40 CFR 63.607(c)(4)]
- 144 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table labeled Appendix A to 40 CFR 63 Subpart AA. [40 CFR 63]
- 145 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 146 Submit Title V monitoring results report: Due semiannually, by March 31 and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 147 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 148 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

GRP025 Phosphoric Acid Process Area

- 149 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in
Subpart B. [40 CFR 82,Subpart F]

GRP026 Gypsum Stack

- 150 Rn-222 <= 20.0 pCi/m²s. After a phosphogypsum stack has become an inactive stack, the owner or operator shall assure that the stack does not emit more than 20 pCi/m²s of radon-222 into the air. [40 CFR 61.202]
Which Months: Phases: Statistical Basis: Approved basis
151 Within sixty days following the date on which a stack becomes an inactive stack, the owner or operator shall test the stack for radon-222 flux in accordance with the procedures described in 40 CFR part 61, appendix B, Method 115. For the purposes of this requirement, the stack (which currently consists of both active and inactive portions) will become inactive when the stack no longer requires water management as defined in the water Permit No. LA0066257. [40 CFR 61.203(a)]
152 The owner or operator shall notify EPA and the Office of Environmental Assessment, Air Quality Assessment Division, Engineering Support Section at least 30 days prior to each emissions test so that EPA and the department may, at its option, observe the test. [40 CFR 61.203(a)]
153 Submit report within ninety days after testing is required. The owner or operator shall provide EPA and the Office of Environmental Assessment, Air Quality Assessment Division, Engineering Support Section a report detailing the actions taken and the results of the radon-222 flux testing. Each report shall also include the information required in 40 CFR 61.203(b)(1) through(v) and signed and dated per 40 CFR 61.203(b)(2). [40 CFR 61.203(b)(1)]

GRP027 Wet Process Phosphoric Acid Process Line

- 154 Total fluorides <= 0.020 lb/ton (10 g/metric ton) of equivalent P2O5 feed. Subpart AA. [40 CFR 63.602(a)]
Which Months: All Year Statistical Basis: None specified
155 Flow monitored by technically sound method continuously. Equip with a recorder and determine the mass flow of phosphorus-bearing feed material to the process. Subpart AA. [40 CFR 63.605(a)(1)]
Which Months: All Year Statistical Basis: None specified
156 Maintain a daily record of equivalent P2O5 feed by first determining the total mass rate in metric ton/hr of phosphorus bearing feed using a monitoring system for measuring mass flowrate which meets the requirements of 40 CFR 63.605(a) and then by proceeding according to 40 CFR 63.606(c)(3). Subpart AA. [40 CFR 63.605(b)(1)]
157 Determine compliance with the applicable total fluorides standards in 40 CFR 63.602 or 63.603 using the methods and procedures in 40 CFR 63.606(e)(1) through (c)(4). Subpart AA. [40 CFR 63.606(c)]

GRP028 Superphosphoric Acid Process Line # 1

- 158 Total fluorides <= 0.20 lb/ton (100 g/metric ton) of equivalent P2O5 feed. Subpart AA. [40 CFR 63.602(b)(2)]
Which Months: All Year Statistical Basis: None specified
159 Flow monitored by technically sound method continuously. Equip with a recorder and determine the mass flow of phosphorus-bearing feed material to the SPA process line # 1. Subpart AA. [40 CFR 63.605(a)(1)]
Which Months: All Year Statistical Basis: None specified
160 Maintain a daily record of equivalent P2O5 feed by first determining the total mass rate in metric ton/hr of phosphorus bearing feed using a monitoring system for measuring mass flowrate which meets the requirements of 40 CFR 63.605(a) and then by proceeding according to 40 CFR 63.606(c)(3). Subpart AA. [40 CFR 63.605(b)(1)]
161 Determine compliance with the applicable total fluorides standards in 40 CFR 63.602 or 63.603 using the methods and procedures in 40 CFR 63.606(c)(1) through (c)(4) for SPA process line # 1. Subpart AA. [40 CFR 63.606(c)]

SPECIFIC REQUIREMENTS

AI ID: 3732 - PCS Nitrogen Fertilizer LP

Activity Number: PER19960003

Permit Number: 2276-V0

Air - Title V Regular Permit Initial

GRP030 Superphosphoric Acid Process Line # 2

- 162 Total fluorides <= 0.20 (lb/ton)(100 g/metric ton) of equivalent P2O5 feed. Subpart AA. [40 CFR 63.602(b)(2)]
Which Months: All Year Statistical Basis: None specified
- 163 Flow monitored by technically sound method continuously. Equip with a recorder and determine the mass flow of phosphorus-bearing feed material to the SPA process line # 2.
Subpart AA. [40 CFR 63.605(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 164 Maintain a daily record of equivalent P2O5 feed by first determining the total mass rate in metric ton/hr of phosphorus bearing feed using a monitoring system for measuring mass flowrate which meets the requirements of 40 CFR 63.605(a) and then by proceeding according to 40 CFR 63.606(c)(3). Subpart AA. [40 CFR 63.605(b)(1)]
165 Determine compliance with the applicable total fluorides standards in 40 CFR 63.602 or 63.603 using the methods and procedures in 40 CFR 63.606(c)(1) through (c)(4) for SPA process line # 2. Subpart AA. [40 CFR 63.606(c)]